CV OF ADARSH PRADHAN

Name: ADARSH PRADHAN

Designation: Assistant Professor

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Sex: Male

Date of Birth: 23/10/1982

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University
1	HSLC/10th Std.	1998	S.E.B.A.
2	HSSLC/10+2 Std.	2000	A.H.S.E.C.
3	B.Tech.(IT)	2005	N.E.H.U., Shillong
4	M.Tech.(IT)	2008	Tezpur University
5	Ph.D. (Pursuing)	--	Gauhati University

Languages known: English, Hindi, Assamese, Nepali

Academic/ Administrative Experience:

1. SPOC AICTE Smart India Hackathon for GCU.

2. Successfully mentored the Winning Team in AICTE Smart India Hackathon-2024 held on December 11th and 12th at the Prin. L. N. Welingkar Institute of Management Development and Research, Mumbai.

3. NBA CSE Dept. Program Co-ordinator.

4. Member of NBA Institute committee.

5. Member, NAAC Criteria (Institute)

6. Formulation of Feedback for NAAC under Criteria 1.

7. Member, IQAC – GCU.

8. Member, OBE Formulation Committee, GCU.

9. Member, Institute Innovation Council.

10. Member of DAB & PAC, Dept of CSE.

11. Lead of Research Group, Artificial Intelligence Skilling and Research, a Nationwide initiative in collaboration with Bennett University, 2018 – 2020.

12. Judge for Smart India Hackathon, GIMT, Guwahati, 2018, 2019.

13. GCU End Semester Exam Coordinator.

14. Departmental Laboratory Exam Coordinator.

15. Co-convenor EUPHUISM-2024.

16. Coordinator of HACKATHON and Programming Contest – EUPHUISM-2024.

17. Co-ordinator of EUPHUISM - Coding Contest & Gaming Contest, 2019, 2020.

18. Coordinator of IIC Internal (GCU) Hackathon-2024.

19. Co-convenor, TechMilap - GIMT, $12^{th} – 13^{th}$ May 2022.

20. Coordinator, Programming Club.

21. Coordinator for Departmental Student Internship Program

22. Participated in Polytechnic Outreach Program.

FDP / Short term/ Specialist Courses invited as Expert/ Resource Person:

1) Invited as resource person to conduct a special training programme for PGT Comp Sc/IP teachers in Python Language held at Navodaya Leadership Institute, Kamrup on 5th and 6th March, 2019.
2) Invited as resource person in the two-day Hands-on Workshop on "Artificial Intelligence", at the Dept. of BCA, Pragjyotish College, Guwahati, held from 27th – 28th March, 2019.

3) Invited as resource person in two days hands-on workshop on "Artificial intelligence" in NETES Institute of Technology & Science, Mirza, Guwahati, 8th & 9th, April, 2019.

4) Invited as resource person in the one week online FDP on "Introduction to Python Programming and its Applications" organized by E&ICT Academy IIT Guwahati held from 21st – 26th February, 2022.

5) Invited as resource person in the One-month Summer Internship Program on "Data Science using Python" organized by E&ICT Academy IIT Guwahati held from 1st – 30th July, 2022.

6) Delivered a Talk on "Artificial Intelligence – Embracing the digital age to ensure sustainable development" in GCU, Guwahati on the occasion of Vikshit Bharat on 13th March, 2024.

7) Invited as a resource person to deliver an expert lecture on "Preparedness of NBA documents" at CIPET:CSTS-Guwahati on 2nd March 2024 and 1st June 2024.

FDP / Short term/ Continuing Education/ Specialist Courses Conducted:

1) Organized a National Conference on "Recent Innovative Trends in Engineering and Technology", in GIMT, 11th to 12th November 2016.

2) Organized a Hands on Session on "Big Data using Hadoop", in GIMT, 24th Sep, 2016.

3) Conducted an FDP on "Behavioral Remodeling for enhancing the classroom Delivery of Teachers", in GIMT, from 21 - 26 May, 2018

4) Organized a Workshop on "Artificial Intelligence and Deep Learning", in GIMT, from 9th to 11th June, 2018.

5) Organized a Workshop on "Big Data Analytics using Hadoop", in GIMT, on 06th & 08th September, 2018.

6) Organized a Workshop on "Internet of Things and Drones", in GIMT, on 08th & 09th March, 2019.

7) Conducted Hands-on Workshop on "Python Programming Language" for Polytechnic students of Assam for the Department of Computer Science & Engineering, in GIMT, from 24th June to 13th July, 2019.

8) Conducted a one-day seminar on "Applying Machine Learning for Research in any Discipline" on 8th January, 2020, hosted by Dr. Vishnu Pendyala,Technical Leader, Cisco Systems Inc., San Jose, California, USA and Faculty, San Jose State University, California, USA.

9) Organized a One-Month Online Academic internship programme on "Web Technology" and "Fundamentals of Python Programming", 7th September – 6th October, 2022.

10) Conducted Workshop on "Artificial Intelligence as an Emerging Technology" in Sonitpur Polytechnic on 3rd May, 2024.

11) Conducted Workshop on "Engineering Solutions Empowered by Artificial Intelligence" in Assam Engineering Institute on 28th June, 2024.

12) Organized a two-week Summer Internship Program on "*Artificial Intelligence & Machine Learning*" from 22nd July to 3rd August 2024.

<u>List of Publications:</u>

1) Adarsh Pradhan, Subhojit Saha, Abhinay Das, Santanu Barman, "Classification of Skin Lesion Using Image Processing and ResNet50", In: Borah, M.D., Laiphrakpam, D.S., Auluck, N., Balas, V.E. (eds) Big Data, Machine Learning, and Applications. BigDML 2021. Lecture Notes in Electrical Engineering, vol 1053. Springer, Singapore. https://doi.org/10.1007/978-981-99-3481-2_27

2) Adarsh Pradhan, Bhaskarjyoti Sarma, Rahul Kumar Nath, Ajay Das and Anirudha Chakraborty, "Diabetic Retinopathy Detection on Retinal Fundus Images Using Convolutional Neural Network", In: Bhattacharjee A., Borgohain S., Soni B., Verma G., Gao XZ. (eds) Machine Learning, Image Processing, Network Security and Data Sciences. MIND 2020. Communications in Computer and Information Science, vol 1240. Springer, Singapore. https://doi.org/10.1007/978-981-15-6315-7_21

3) Adarsh Pradhan, Arunav Buragohain, Uddipta Pathak, Sahil Ansari, and Manali Baruah "Implementation of DCGAN to Generate Gamocha Design Patterns", in International Conference on Electronic Systems and Intelligent Computing (ESIC)-2020, In: Mallick P.K., Meher P., Majumder A., Das S.K. (eds) Electronic Systems and Intelligent Computing. Lecture Notes in Electrical Engineering, vol 686. Springer, Singapore. https://doi.org/10.1007/978-981-15-7031-5_79

4) Adarsh Pradhan, Bhaskarjyoti Sarma, Rahul Kumar Nath and Bhiman Kr Dey, "Transfer Learning based Classification of Diabetic Retinopathy Stages", in International Conference on Computational Performance Evaluation (ComPE), North-Eastern Hill University, Shillong, India, 2020, pp. 813-819, doi: 10.1109/ComPE49325.2020.9200092.

5) Adarsh Pradhan, Bhaskarjyoti Sarma and Bhiman Kr Dey, "Lung Cancer detection using 3D Convolutional Neural Networks", in International Conference on Computational Performance Evaluation (ComPE), North-Eastern Hill University, Shillong, India, 2020, pp. 765-770, doi: 10.1109/ComPE49325.2020.9200176.9200092.

6) Eriq-Ur Rahman, Rituparna Sarma, Rajesh Sinha, Priyankar Sinha and Adarsh Pradhan, "*A Survey on Twitter Sentiment Analysis*",International Journal of Computer Sciences and Engineering (IJCSE), Volume-6, Issue-11, ISSN: 2347-2693, Nov 2018.

7) Bidit Hazarika, Dipankar Das, Dibyajyoti Changkakoti, Abhinov Deka and Adarsh Pradhan, "*Hand Gesture Animation Model for Local Hand Motion*", International Journal of Computer Sciences and Engineering (IJCSE), Volume-6, Issue-5, ISSN: 2347-2693, May 2018.

8) Adarsh Pradhan, Nabanita Paul, Kakali Das, Rupam Jyoti Bordoloi and Dikhya Baruah, "*Survey On Speech Recognition Using Hidden MARKOV Model*", International Journal of Computer Sciences and Engineering (IJCSE), Volume-4, Special Issue-7, ISSN: 2347-2693, Dec 2016.

9) Antara Chowdhury and Adarsh Pradhan, "*Isolated Assamese words spoken by Male and Female speakers*", International Journal of Computer Sciences and Engineering (IJCSE), Volume-4, Special Issue-7, ISSN: 2347-2693, Dec 2016.

10) Adarsh Pradhan and Antara Chowdhury, "*A Survey on Isolated Assamese words spoken by Male and Female speakers*", International Journal of Advanced Research in Computer and Communication Engineering, (IJARCCE), Vol. 5, Issue 5, ISSN (Online) 2278-1021, ISSN (Print) 2319 5940, May 2016.

11) Adarsh Pradhan and Jyoti Rekha Saikia, "*Identification of Isolated Upper and Lower Assamese words: A Survey*", International Journal of Advanced Research in Computer and Communication Engineering, (IJARCCE), Vol. 5, Issue 5, ISSN (Online) 2278-1021, ISSN (Print) 2319 5940, May 2016.

12) Nipjyoti Sarma, Arindam Saha and Adarsh Pradhan "*Clustering Mixed Data Set by Fuzzy Set Partitioning*", International Journal of Computer Applications (IJCA), Volume 144 – No.6, ISSN 0975 – 8887, June 2016.

13) Nipjyoti Sarma, Adarsh Pradhan and Utpal Barman, "*Fuzzy Partitioning Based Clustering Approach*", International Journal of Advanced Research in Computer and Communication Engineering, (IJARCCE), Vol. 5, Issue 5, ISSN (Online) 2278-1021, ISSN (Print) 2319 5940, May 2016.

14) Adarsh Pradhan and Neelam Agarwalla, "*Deep Learning using Restricted Boltzmann machines*", International Journal On Advanced Computer Theory And Engineering (IJACTE), ISSN (Print): 2319-2526, Volume -4, Issue -3, March 2015.

Book Chapters:

1) Chapter 6: Introduction to Python, Course: Problem Solving using Computers, B.Sc (General), 1st Sem, Computer Science programme, Krishna Kanta Handiqui State Open University, 2021

2) Chapter 11: Protection, Course: Operating System, MSc.(Information Technology) 3rd Sem, Krishna Kanta Handiqui State Open University, 2021

3) Chapter 12: Security, Course: Operating System, MSc.(Information Technology) 3rd Sem, Krishna Kanta Handiqui State Open University, 2021

4) Chapter 13: Quality Assurance, Course: System Analysis and Design, MSc.(Information Technology) 3rd Sem, Krishna Kanta Handiqui State Open University, 2021

5) Chapter 14: Implementation, Course: System Analysis and Design, MSc.(Information Technology) 3rd Sem, Krishna Kanta Handiqui State Open University, 2021

6) Chapter 7: Software Quality Management, Course: Software Engineering, MSc.(Information Technology) 2nd Sem, Gauhati University IDOL, 2021

7) Chapter 8: Software Configuration Management, Course: Software Engineering, MSc.(Information Technology) 2nd Sem, Gauhati University IDOL, 2021.

Research Projects Completed:

Completed two TEQIP III Sponsored Project under Assam Science and Technology University titled:-

1) Detection and Classification of Cancer Cell, July, 2019 - Sep, 2020.

2) Diabetic Retinopathy Detection, Aug, 2019 - Sep, 2020.

Membership of Professional bodies:

- Member of Association for Computing Machinery (ACM)

Date: 01/ 01/ 2025   Adarsh Pradhan